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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,865	08/27/2001	Reuben Hertz		3746

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ALLEN D. HERTZ  
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BOCA RATON, FL 33428

EXAMINER
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ROSE, ROBERT A

ART UNIT	PAPER NUMBER
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3723

DATE MAILED: 02/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/939,865	<b>Applicant(s)</b> HERTZ, REUBEN	
	<b>Examiner</b> Robert Rose	<b>Art Unit</b> 3723	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 October 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-12,14-20,25,27-31,33-38,43,47 and 48 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 20,25,27,28,43,47 and 48 is/are allowed.
- 6) ☒ Claim(s) 1,2,4-12,14-19,29-31 and 33-38 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. Claims 3, 13, 21-24, 26, 32, 39-42, and 44-46 have been canceled.
2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2, 4-5, 9-12, 14-15, 19, 29-31, 33-34, and 38 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Herold, et al. Herold et al disclose an apparatus for propelling a stream of particulate matter comprising all of the subject matter set forth in the claims above. A compressed gas source is delivered to a mixing chamber through a gas receiving port, and mixes with abrasive within the chamber, followed by discharge through a discharge conduit to strike a target material. The limitation of the particle-directing tube being "bendable" is a functional limitation which is deemed sufficiently broad to read on the discharge tube of Herold et al. While already shown as having a bend, the material in Herold et al is certainly capable of being bent. The device of Herold et al is intended for hand-held use for abrading the surfaces of a tooth located in a patients mouth, and contains a pre-charged amount of particulate matter. No additional particulate matter is introduced by the gas delivery conduit, thus providing a disposable apparatus upon exhaustion of the particulate matter disposed within the mixing chamber, if so desired.

Art Unit: 3723

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 6-8, 16-18, and 35-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Herold et al in view of Dougherty. Dougherty discloses the known use of color coding of containers to identify the contents therein, and further disclose the known use of an end cap(70) for sealing the discharge end of a chamber to prevent the contents from being discharged. The use of color coding to help identify the contents of the chamber would have been obvious in view of Dougherty. Such color coding is used throughout industry for discriminating between similar looking containers, and for identifying their contents. To further provide an end cap at the distal end of the discharge conduit to prevent inadvertent discharge of the media from the chamber when not in use, would have been obvious in view of Dougherty.

6. Claims 20, 25, 27-28, 43, and 47-48 are allowed.

7. Applicant's arguments filed October 24, 2005 have been fully considered but they are not persuasive. Applicant's new limitation introduced into independent claims 1, 10, and 29 wherein it is now recited "thus providing an apparatus that is designed to be disposed of..." is deemed to constitute a recitation of intended use. Although the cartridge(20) is disclosed as being replaceable, it is the choice of the user whether or

Art Unit: 3723

not the apparatus is disposed of after exhaustion of the contents of the mixing chamber. Structurally, since Applicant's claimed device is no different from Herold et al, the claims are still deemed to be met by the Herold et al device. Note in Herold et al that the mixing chamber is pre-charged with a particulate matter, and the gas delivery conduit is not conducive for replacing particulate matter, since no additional particulate matter is supplied by the gas delivery conduit. The use of color coding and a sealing end cap are both broadly taught by the secondary reference to Dougherty.

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication should be directed to Robert Rose at telephone number (571) 272-4494.

rr

January 31, 2006.



ROBERT A. ROSE  
PRIMARY EXAMINER  
ART UNIT 3723